

B178R01V1

DensiControl DA

For automatic testing of switching points in density monitors

The F-gas regulation (EU) 517/2014 stipulates regular verification of density monitors installed in switchgear. The DensiControl DA allows quick checking to see whether the density monitor switching points are triggered in time.

This device allows precise, quick and easy verification of the switching points. The density monitor to be tested is mounted onto the device by means of a quick clamping device or a plug-in coupling (depending on the connection). After starting the measurement the pressure is automatically increased to filling pressure, the switching points are activated and recorded. The switching points can be stored in the system with serial number and temperature indication allowing a data file to be produced for documentation.



Standard version

- Transport case
- Basic device with test vessel and adapter plate with quick coupling
- 5-measuring point certificate for pressure sensor
- USB stick with file for evaluating and reading out the measuring data
- Operating manual

Advantages & functions

- Automatic test process
- Simple installation and removal of the density monitors by quick clamps
- Easy handling and menu navigation via capacitive colour touch panel (7")
- Storage of 50 density monitor types with their corresponding switching points
- Storage of up to 200 measuring results
- Data transmission to USB stick and data output as a test report
- Indicating pressure units can be selected
- Adjustable user languages: DE, GB and FR
- Trolley for comfortable transportation
- Optional remote control via mobile devices

Technical data

Mains fuse	2 x 3.15 A (T) (slow-blow)
Dimensions (W x H x D)	538 x 269 x 406 mm
Weight	17 kg
Frequency	50 - 60 Hz
Accuracy	Accuracy of the pressure sensor (0 - 50 °C): $\leq 0.1\%$ FS
Interface	USB and Ethernet
Operating voltage	100 - 240 V
Operating temperature	0 to +45 °C

Optional accessories

K176R11	Remote control via mobile devices
B178R01-01V1	Test kit for density monitor with square flange 80 mm
B178R01-02V1	Test kit for density monitor with 2 hole flange
B178R01-03V1	Test kit for density monitor with flange Ø 40 mm
6-1161-R039	Plug-in adapter for density monitor with DILO coupling tongue part DN20
6-1161-R038	Plug-in adapter for density monitor with DILO coupling tongue part DN8
6-1161-R040	Plug-in adapter for density monitor with ASEA connection
6-1161-R045	Plug-in adapter for density monitor
B178R01-84	Connecting cable kit
K176R21EU	Mobile remote control router for Ethernet devices (EU)
K176R21NA	Mobile remote control router for Ethernet devices (NA)